

ABSTRACT OF THE DISCLOSURE

A noise reduction apparatus is for reducing noise propagated toward a space on one side of a wall from an external noise source on another side of the wall. The noise reduction apparatus includes a control sound source, an error detector, and a control section. The control sound source is placed on the wall so as to block a noise propagation path. Also, the control sound source radiates a sound into the space. The error detector detects the sound propagated from the noise source through the control sound source. The control section causes the control sound source to radiate a sound so as to minimize the sound to be detected by the error detector based on detection results of the error detector.